

CY 2008 Annual Fire Report

Forest: Daniel Boone NF

1. Fire Season Highlights: Abnormal wildfire occurrence, major incidents, any item of significance. Include a quantitative description of the weather and seasonal severity.

Narrative: The year began on a dry note with Jackson and London recording rainfall deficits of 1.1 and 1.54 inches, respectively. Rainfall was below normal for the first three months of the year, with the deficit by the end of March being 1.61 at London and 3.38 inches at Jackson. April was one of only three months where above normal rainfall was recorded at both Jackson and London, with 4 inches, or 0.21 inches above normal rainfall at Jackson and 4.56 inches, or 0.55 inches above normal rainfall at London. Deficits continued to build in May and June, and half way through the year the rainfall deficits were 4.05 inches at Jackson and 5.92 inches at London. Frequent thunderstorm activity led to above normal rainfall in July of 6.13 inches at Jackson or 1.54 inches above normal, while London observed 4.75 inches or 0.36 inches above normal. The next four months were very dry on average, and August featured 15 consecutive days without rainfall at Jackson (Aug 11-25). The rainfall total from August 1st - 25th at Jackson was a paltry 0.09 inches. At London, 18 consecutive days saw no measurable rain (Aug 7-24); however, the rainfall total for the first 24 days of August was higher than at Jackson with 0.40 inches recorded.

By August 12th, abnormally dry conditions had spread north into the Stearns and London Districts from TN, with moderate drought reaching as far north as the KY/TN border. By August 19th, abnormally dry conditions spread north throughout the entire DBNF, with moderate drought extending northward into the Stearns, London, and Redbird Districts. By the end of August, moderate drought conditions reached as far north as the southern portion of the Cumberland District, with severe drought conditions as far north as the KY/TN border. By the third week of September, the severe drought conditions had spread north into the Stearns and London Districts, with moderate drought overspreading the entire DBNF. At Jackson, August was the driest in 28 years of records, with London the 14th driest since 1954. September was the second driest in 28 years of records at Jackson, while London was the driest since records began in 1954. Long stretches of dry weather led to severe drought status covering the entire forest in October, while parts of the Stearns and London Districts entered extreme drought status around October 14th. At Jackson 1.46 inches of rain fell in October, the 5th driest on record, while 0.39 inches was observed at London, the 4th driest on record. The drought was at its worst during November, with the extreme drought area expanding to cover the Redbird District prior to Thanksgiving, while severe drought remained over the rest of the forest. This status continued through early December, before more consistent rainfall was observed to end the year. During November, 3.03 inches of rain or 1.17 inches below normal rain fell at Jackson, with 2.77 inches or 1.13 inches below normal at London. December marked only the third month with above normal rainfall, with 6.86 inches falling at Jackson or 2.59 inches above normal, while 4.74 inches fell at London, which was 0.43 inches above normal. By mid-December, most of the forest was in or had improved to severe drought status, with parts of the Redbird district improving all the way to moderate drought status. By the end of the month, all of the forest had received enough rain to improve the drought status to moderate drought. The year ended as the 9th driest in 28 years of records at Jackson, and the 6th driest year since records began in 1954 at London.

In addition to the dry conditions, conditions were consistently warm through the summer. The fall featured a September that was 3 to 4 degrees above normal, while October was about 2 to 3 degrees above normal. Temperatures were cooler than average in November and near normal in December.

2. Prescribed fire accomplishments (Note: data for fires and acres must be the same as that contained in NFPORS.) Include Rx training accomplishments here. Report Fire Use data and Rx data in separate tables (see following page):

Narrative: Prescribed fire accomplishments in FY 2008 increased significantly over the accomplished acres in 2007. Data in the following tables was drawn from FACTS and covers the fiscal year 2008.

Fire Use Fires by Size Class – CY 2008									
Class	A	B	C	D	E	F	G	Total Fires	Total Acres
Fires	0	0	0	0	0	0	0	0	
Acres	0	0	0	0	0	0	0		0

Navigate through tables by pressing TAB to go forward or shift-TAB to go backward.

Or use the mouse to place the cursor in any shaded area, click and begin typing.

Prescribed Fire Data – 2008				
	Mechanical Treatment	Fire Treatment	Total Cost	Cost per Acre
BS				
SP				
R				
T&E				
WI		535	\$24,075	\$45
Fuel Reduction		15459	\$699,828	\$45.27
Other				
Other				
Total Acres		15994	\$723,903	\$45.26

3. Examples of Significant Improvement in the Cost Effectiveness of the Fire Management Program.

Narrative:

4. Noteworthy instances of cooperation with other federal agencies (civilian and military), states, industrial concerns, groups, or individuals. Include education and fire prevention information under this item. Include wildland fire training under this item.

Narrative: The Daniel Boone NF collaborated with the Cherokee NF, Land Between The Lakes NRA, the Big South Fork NRRRA, Region 4 of the USFWS, and the Kentucky and Tennessee Divisions of Forestry to present a week-long fire training academy at Bell Buckle, TN.

The Cumberland Ranger District continued to work with the University of Kentucky to conduct prescribed burn research on the Forest. Several students involved in this study have completed basic firefighter training, and are qualified for assignments on local wildfires.

5. Personnel Employed on Fire Control Activities.

Form FS-5100-8 Instructions:

Item 1. Regular appointed personnel: Entries should include those persons with full-time or WAE appointments.

- a. Include only those positions approved for 20 pay periods or more.
- b. Exclude those shown in item 1a; however, be sure they are full-time or WAE.
- c. Include any full-time or WAE employees in other functions (Range, Timber, Engineering, Job Corps, etc.).
- d. All others used on line or off-line suppression work. Exclude those entered in items 1a, b, and c.
- e. Total of 1a+b+c+d.

Item 2. Seasonal or short-term employees.

- a. Regular fire control (crews, firefighters, patrol, lookouts, etc.)
- b. Include those short-term summer employees employed on other functions.
- c. Do not include approved supplemental protection positions.
- d. Total of 2a+b+c.

Item 3. Include only casuals employed on fire suppression .

Item 4. Self-explanatory.

Item 5. Self-explanatory.

Overhead from other Forests or out-of-Region will not be entered, as they will be carried by their Forest.

USDA-Forest Service Personnel Employed on Wildfire Presuppression and Suppression Activities		Forest: Daniel Boone	
		CY: 2008	
ITEM NO.	ITEM	Number	
		SubTotal	Total
1. Regular Appointed Personnel			
a.	Full-time fire management (20 pay periods or more)	8	
b.	Part-time fire management	21	
c.	Others used on pre-suppression	7	
d.	Others used on suppression (exclude those reported under a, b, or c)	61	
e.	Total regular appointed personnel (a+b+c+d)		97
2. Seasonal or Short-term Personnel			
a.	Regular fire control (Crew, Firefighters, Patrol, Lookouts)	0	
b.	Others who spent time on fire control work (BD, KV, BR, R&T, etc.)	0	
c.	Emergency firefighters	0	
d.	Total emergency firefighters (a+b+c)		0
3. Total number of casuals employed on fire suppression (Each reemployment counts as an employment)			175
4. Number of casuals, included in Item 3, employed for first time (Estimate is adequate)		50	
5. Remarks (as necessary)			
Total			272

FS-5100-8

6. Form FS-5100-9 – Land Ownership Protection Report (Summary of Acres by State).

STATE	LAND PROTECTION REPORT – CY 2008								S&P LAND PROTECTED BY STATE AND FS	NATIONAL FOREST LAND PROTECTED BY OTHERS	
	INSIDE FOREST SERVICE PROTECTION BOUNDARIES										
	Protected by Forest Service										
	STATE AND PRIVATE				OTHER FEDERAL LAND	NATIONAL FOREST LAND	TOTAL				
	Fee	Offset	Reimburse Supp	Without Reimburse							
KY	NONE	NONE	NONE	NONE	NONE	707,763	707,763	NONE	NONE		

Narrative (Optional):

7. Summary of statistics from Individual Fire Reports, Form FS-5100-9

Daniel Boone NF Wildfires by Size Class 2008

Class	A	B	C	D	E	F	G	Total Fires	Total Acres
Fires	13	29	28	7	2	0	0	79	
Acres	3.2	107.25	746.5	1171	867	0	0		2894.95

Daniel Boone NF Fires By Cause

CAUSE	FIRES	ACRES
Lightning	2	165
Equipment	1	0.75
Smoking	0	0
Campfire	7	668.75
Debris	6	67.5
Railroad	1	2
Arson	51	1901.90
Children	0	0
Miscellaneous	11	89.05
Total Fires and Acres	79	2894.95

Note: Total fires and total acres must be the same values for both the *Fires by Class* table and the *Fires by Cause* table. To insure accuracy use the accompanying Excel tables. They will auto-calculate as you type table.

Narrative (Optional):